

Hamilton introduces the new Nylast™ Wheel made from solid cast high performance nylon. Nylast™ is of cast nylon, and has superior impact strength and resilience compared to conventional injection-molded nylon wheels. The Hamilton Nylast™ material is also specially formulated with finely divided particles of molybdenum disulphide (MoS₂) to enhance its load bearing capability while maintaining the impact resistance inherent to nylon.

Other key properties of Nylast™ include resistance to moisture and chemicals plus floor protection resulting in a wheel well-suited for corrosive environments or applications where sanitary conditions are important. The face, sides, and bore of all Nylast™ Wheels are CNC-machined to tight tolerances to ensure a consistent, quality product

The chart at right offers our most popular sizes, but the new Nylast™ Wheel can also be cast & CNC-machined to sizes ranging from diameters: 2-1/2-18" and widths: 1-5". Consult the factory for pricing and availability.

PHYSICAL PROPERTIES

- **Composition** – High performance black MoS₂ cast nylon.
- **Hardness** – 85 Shore D.
- **Tensile Strength** – 11,000 psi.
- **Compressive Strength** – (10% deformation) 14,000 psi.
- **Temperature Range** – -30° to + 220°F continuous, melting point: 420° F.



★ = same day/next day PRONTO® shipment.

NY Series Selection Table

Dia.	Face	Hub Lgth.	Cap. Lbs.	Precision Ball Bearings		Stainless Stl. Prec. B. Bearings		Wt. Lbs.
				Hamilton Model No.	Bearing Size	Hamilton Model No.	Bearing Size	
4	2	2¼	2000	★ W-420-NYB-½	½	★ W-420-NYBS-½	½	4
	2	2¼	2300	★ W-620-NYB-½	½	★ W-620-NYBS-½	½	6
6	3	3¼	5400	★ W-630-NYB-	¾-1-1¼	X	X	8
	2	2¼	2500	★ W-820-NYB-½	½	★ W-820-NYBS-½	½	8
8	3	3¼	7200	★ W-830-NYB-	¾-1-1¼	X	X	9

♦ Based on largest bearing size.



Precision Ball Bearings (B) Stainless Steel Precision Ball Bearings (BS)

OPTIONAL EXTRAS

- **Special Treads** – Non-Skid tread (slots in tread as shown at right) is available on rubber-tired wheels. Most polyurethane tires are available with a grooved tread.



Extra-thick, extra-wide rubber or urethane tread wheels are available in a variety of popular sizes for use on industrial trailers and wagons in the 5-ton class and up. The solid tires are chemically bonded to replaceable steel rims, which are "pressed on" to a heavy-duty cast iron center. Both rubber and polyurethane wheels feature a smooth tread design and sealed tapered roller bearings are standard.

POR/POY Series Selection Table

Dia.	Face	Rim Dia.	Capacity (6 mph)		Capacity (10 mph)		Tapered Roller Bearings			Tire Only Hamilton Model No.♦	Wt. Lbs.	
			Rubber	Poly	Rubber	Poly	Hub Length	Hamilton Model No.♦	Bearing Sizes			Wt. Lbs.
15	5	11¼	2850	4380	2540	3880	5½	W-POR-1550-	1¼-1½	103	T-1550-POR	27
	6		3530	5440	3150	4800	6½	W-POR-1560-	1¼-1½	108	T-1560-POR	32
	7		4210	6480	3770	5730	6½	W-POR-1570-	1¼-1½	114	T-1570-POR	38
	8		4890	7530	4380	6650	8½	W-POR-1580-	1¾-2	198	T-1580-POR	45
	9		5370	8700	4750	7700	8½	W-POR-1590-	1¾-2	200	T-1590-POR	47
16½	5	12½	3120	4800	2760	4250	5½	W-POR-1650-	1¼-1½	107	T-1650-POR	31
	6		3900	6050	3470	5360	6½	W-POR-1660-	1¼-1½	114	T-1660-POR	38
	7		4740	7300	4190	6450	6½	W-POR-1670-	1¼-1½	122	T-1670-POR	46
18	5	12½	3360	5770	2980	4590	5½	W-POR-1850-	1¼-1½	145	T-1850-POR	37
	6		4290	6610	3800	5850	6½	W-POR-1860-	1¼-1½	153	T-1860-POR	45
	7		5220	8040	4620	7110	6½	W-POR-1870-	1¼-1½	162	T-1870-POR	54
	8		6150	9470	5450	8380	8½	W-POR-1880-	1¾-2	225	T-1880-POR	60
	9		7080	10900	6280	9660	8½	W-POR-1890-	1¾-2	234	T-1890-POR	69
20	5	16	3100	5480	2750	4850	5½	W-POR-2050-	1¾-2	211	T-2050-POR	41
	6		4440	6840	3920	6040	6½	W-POR-2060-	1¾-2	217	T-2060-POR	47
	7		5290	8160	4680	7210	6½	W-POR-2070-	1¾-2	225	T-2070-POR	55
	8		6170	9500	5440	8410	8½	W-POR-2080-	1¾-2	328	T-2080-POR	63
	9		6575	10800	5820	9560	9½	W-POR-2090-	1¾-2	335	T-2090-POR	70
22	7	16	6080	9360	5380	8290	6½	W-POR-2270-	1¾-2	239	T-2270-POR	69
	8		7170	11040	6340	9760	8½	W-POR-2280-	1¾-2	342	T-2280-POR	77
	10		9325	14400	8260	12740	9½	W-POR-2210-	1¾-2	367	T-2210-POR	102

♦ Does not include spacers/thrust washers which add approximately ¼" to hub length.

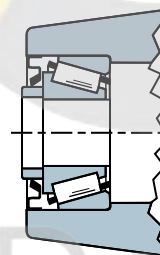
♦ Catalog number shown is for rubber tread; to order polyurethane change "POR" to "POY".

Press-On Tired Wheels



Additional non-stock sizes are available, consult factory.

To order, add bearing size to Hamilton number.
Example: W-POR-1890-2
(For polyurethane tread change "POR" to "POY")



Sealed bearing configuration